

Why Wildlife Data Matters to All Size Airports

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Why Collect Wildlife Data?

It's the law!



What are the legal requirements?



Case Study

- Relatively small airport deserving a mine
- Scheduled flights with mostly Boeing 737, 7 days a week
- About 20,000 movements per year
- Airport does wildlife control on a weekly basis (5 days a week)
- No dedicated wildlife control team



Case Study

- Checked all the boxes the law requires
- BUT...
- They got sued by an airline insurances and it went to court...
- What happened?



Case Study

- The airline complained to the airport that gulls were a hazard, especially on weekends when there was not wildlife control
- Later, one of their plane collided with a flock of gulls on a weekend
- Their insurances were now asking the 120,000\$ required to repair the broken motor



Case Study

What was done on our side?

- Looked at the data
- Met for more than 6 hours straight with lawyers to help them understand the legal requirements and implication in relation to wildlife at the airport



Why Collect Data?

Risk Analysis

Is doing a risk analysis enough?

Wildlife management plan needs to be strong and reflect the results of the risk analysis





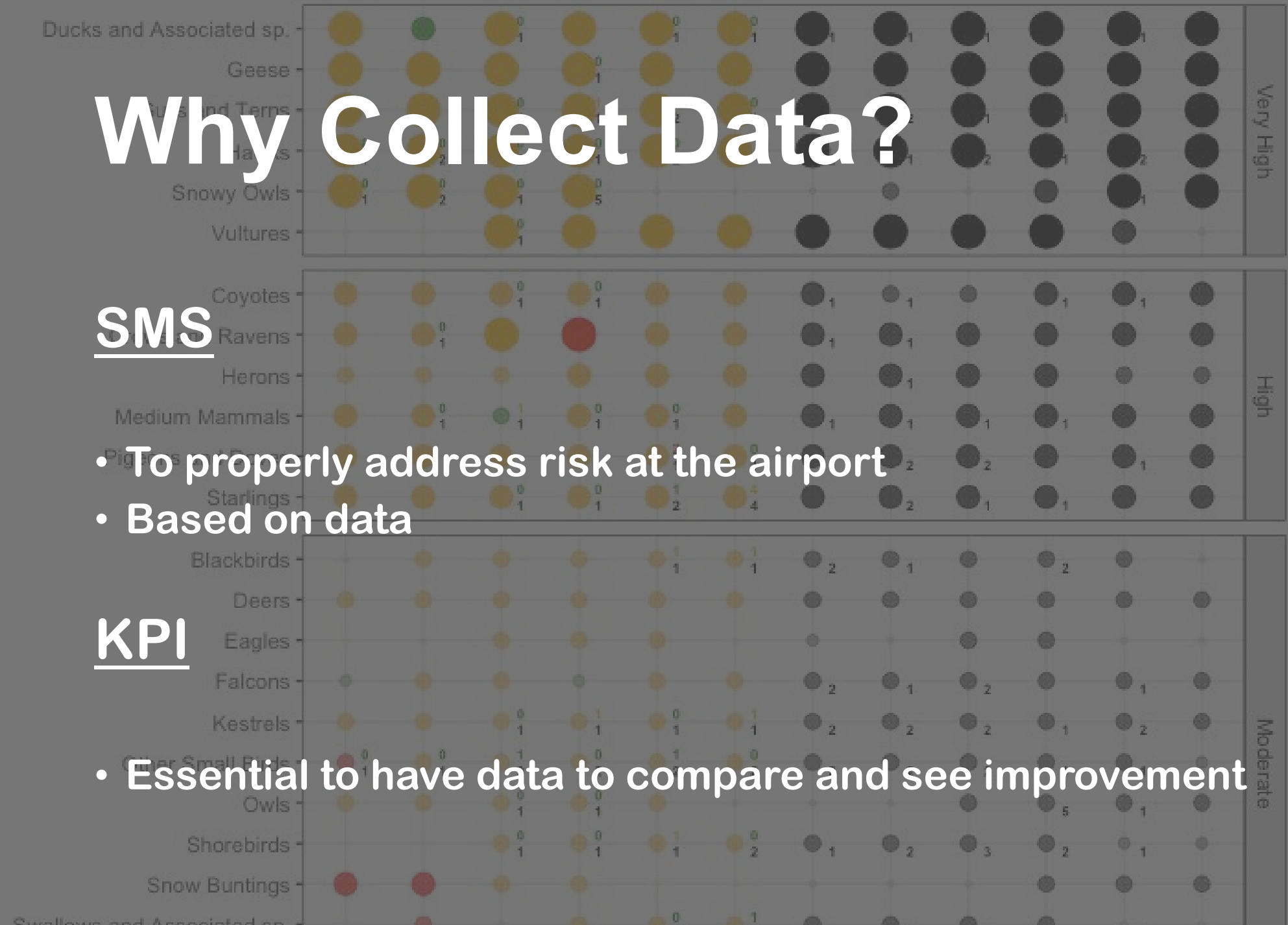
Why Collect Data?

SMS

- To properly address risk at the airport
- Based on data

KPI

- Essential to have data to compare and see improvement



Why Collect Data?

Species-at-Risk

An airport wildlife management plan shall set out a procedure to ensure that all endangered or protected wildlife at the airport are inventoried.

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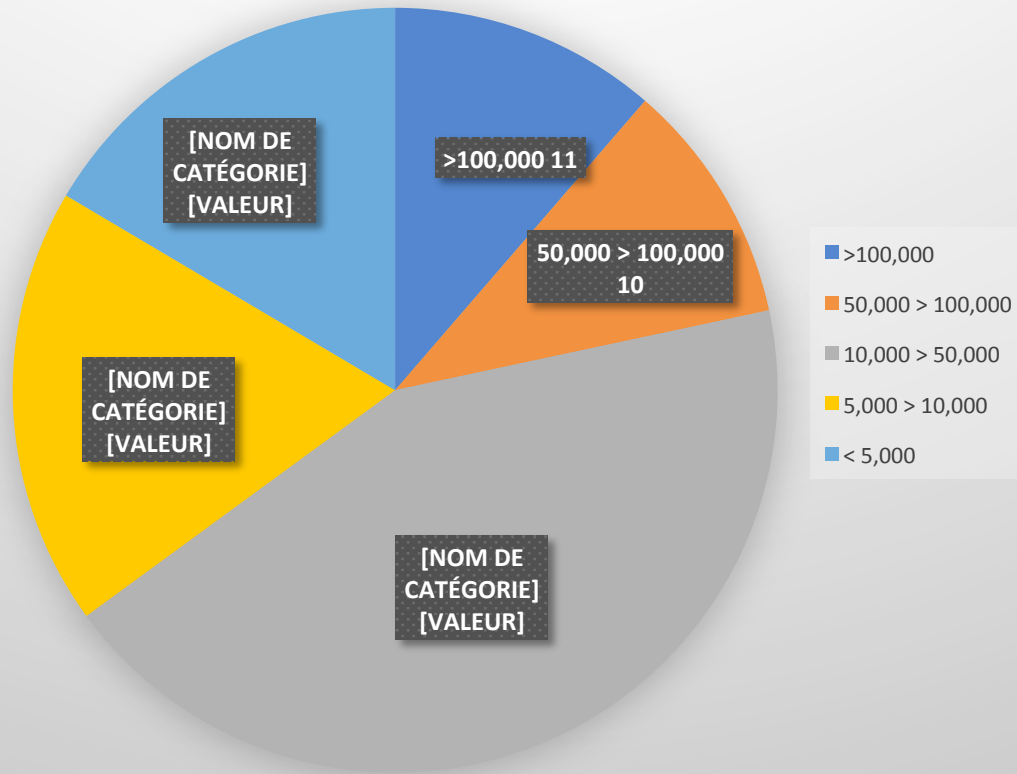
What Data?

Does it need to be the same for all airports?

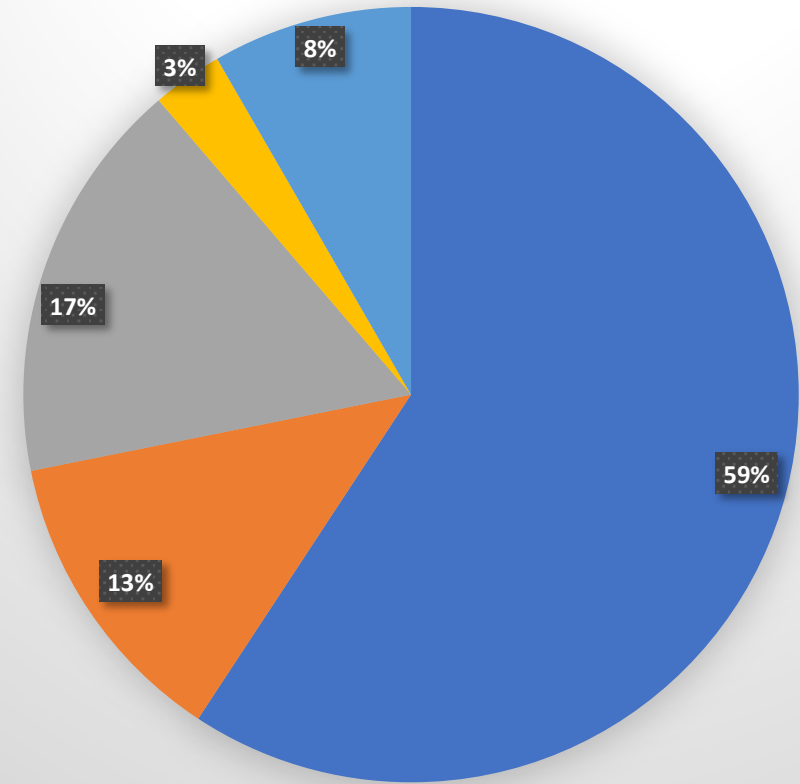
Canadian Airports



Nb of Airports per Movement Category



% of Strikes per Category



What data?

Basic data needed for all airports:

- Species
- Number of individuals observed
- Activity
- Location
- Control measure used
- ... and of course strikes!

Remember that a “Zero” is also valuable data!

Case Study

Data they needed :

- Species
- Number of individuals observed
- Activity
- Location

No one was there on weekend.



Case Study

They didn't have a lot of strikes, even less with gulls...

Does that make the airport less responsible?





When Should You Collect Data?

When?

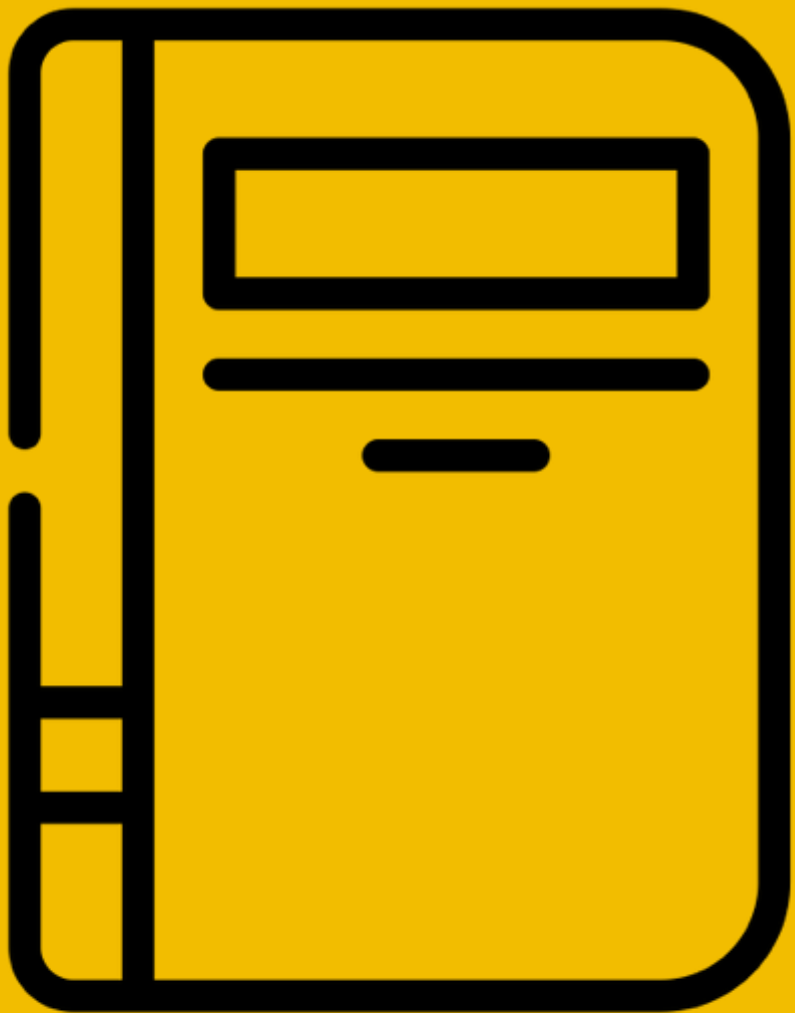


- All the time!
- To be realistic, we can't log everything 100% of the time. **BUT:**
 - Record all observed and dispersed
- In real time – recall bias need to be avoided

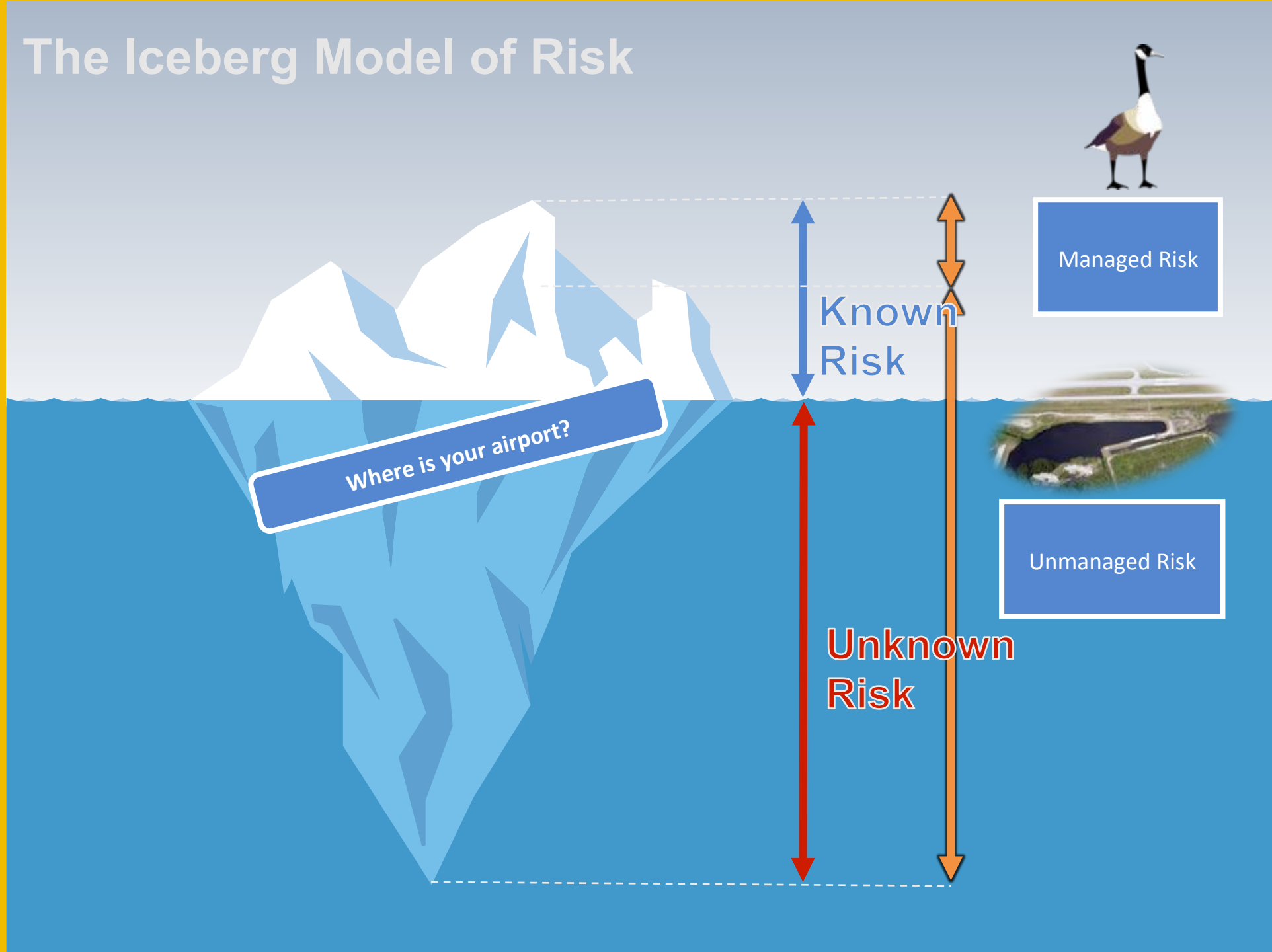


How Should Data be Collected?

How?



The Iceberg Model of Risk



Case Study

Finally, they settled outside of court with the airport accepting responsibility for the damages.

Could that be something happening at your airport?



In Summary....

What?

- A minimum for all airports no matter the size – not just strikes
- Bigger budget? Get more data!

How?

- As you wish



In Summary...



When?

- Every time you look outside or patrol the airport
- In real time

Why?

- Comply with regulations
- Better risk analysis - control measures
- SMS and KPIs

To make airports safer!



The floor is yours



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